






## Assessment Summary

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| Open Fork Paint Creek 6.25 to 11.4<br>KY499953_01 |  <p>This part of the stream partially supports aquatic life, fully supports swimming (Primary Contact Recreation), fully supports fishing/wading/boating (Secondary Contact Recreation).</p> |
| Smith Creek to Pasture Branch                     |  |
| Morgan County, Big Sandy River Basin              |  |
| HUC 05070203                                      |  |
| Assessment Date: 2/12/2016                        |  |



| Use  | Cause of Impairment  | Suspected Source(s) of Impairment   | Basis for Listing   | Data Collection and Analysis Methods <sup>1,2,3</sup>                   |
|--|--|---|---|---|
| <br>(5-PS)    | Nutrient/Eutrophication Biological Indicators                            | Agriculture, Inappropriate Waste Disposal   | Problems associated with nutrient enrichment are evident in water quality conditions and/or the aquatic community                             | Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring |
| <br>(5-PS)    | Organic Enrichment (Sewage) Biological Indicators                        | Agriculture, Inappropriate Waste Disposal   | Problems associated with decaying plant and animal material (e.g. waste) are evident in water quality conditions and/or the aquatic community | Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring |
| <br>(2B-FS) | pH (cause no longer associated with impairment - proposed for delisting) |   |   | Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring |
| <br>(5-PS)  | Sedimentation/Siltation  | Agriculture, Inappropriate Waste Disposal, Sand/gravel/rock Mining or Quarries, Silviculture Activities, Surface Mining | Sediment deposition is negatively affecting the aquatic community (e.g. habitat smothering) and/or recreation                                 | Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring |

<sup>1</sup> Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

<sup>2</sup> Data Source(s): KDFWR, KDOW PROB

<sup>3</sup> Data Collection Date(s): 8/6/2002 - 8/21/2012

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|--|--|--|--|------------------------------|
| <br>(2B-FS) | pH (cause no longer associated with impairment - proposed for delisting) |  |  | Physical/Chemical Monitoring |
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